

SELECTED PORTIONS OF  
"THE GIANT DISCOVERIES OF FUTURE SCIENCE"  
AN INFORMAL TALK PRESENTED BY  
by  
DR. BOB WOOD  
MCDONNELL DOUGLAS ASTRONAUTICS COMPANY  
HUNTINGTON BEACH, CALIFORNIA  
on  
9 JUNE 1982  
to  
THE NEWPORT-BALBOA ROTARY CLUB

VFT359

## THE GIANT DISCOVERIES OF FUTURE SCIENCE

- Introduction And Definitions
- Discoveries Of The Past
- Discoveries Of The Future
- Paradigms In The Making
- Action

VFT538

## PARADIGMS

“..... Universally Recognized Scientific Achievements That For A Time Provide Model Problems And Solutions To A Community Of Practitioners.”

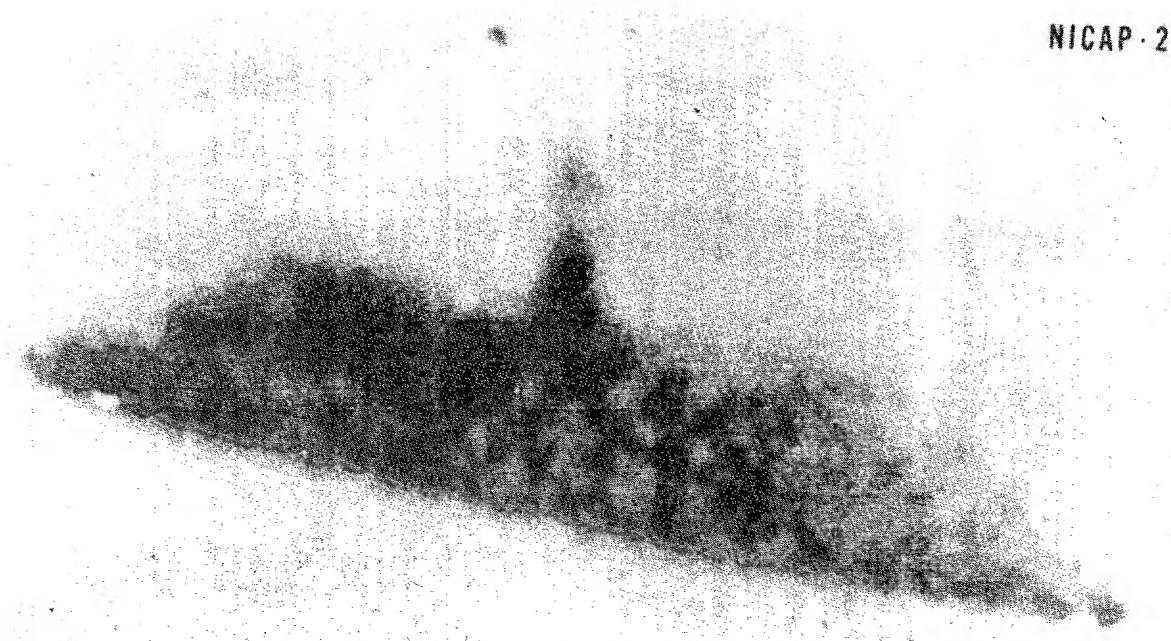
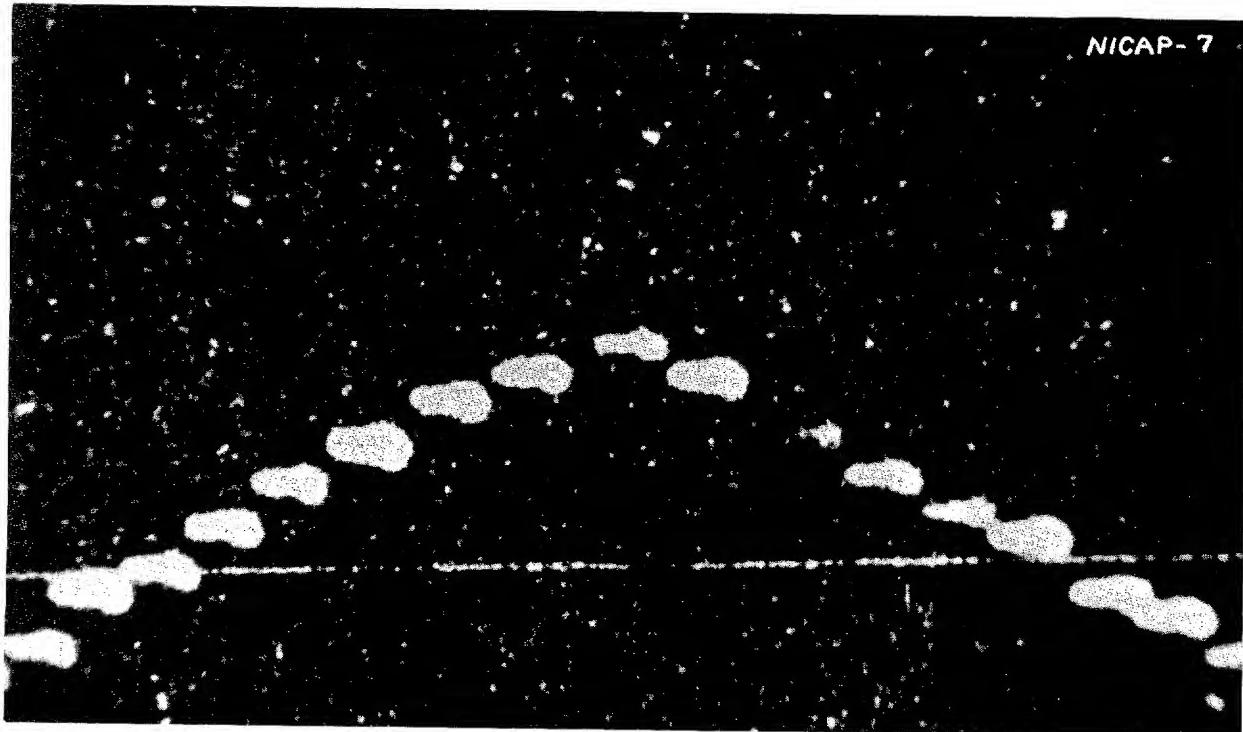
....Thomas S. Kuhn  
From  
“The Structure Of  
Scientific Revolutions”

## GIANT DISCOVERIES OF THE PAST

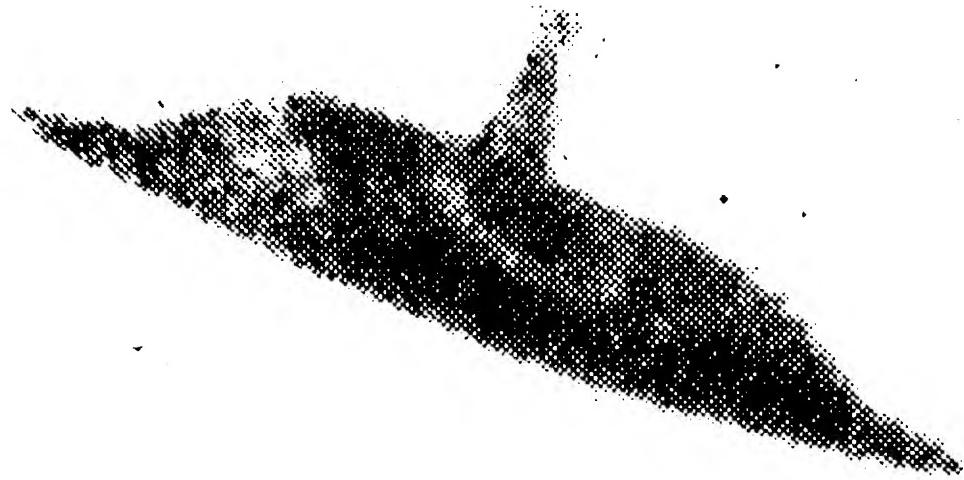
DISCOVERY	DISCOVEROR	DATE	AGE
■ Earth Goes Around Sun	Copernicus	1543	40
■ Understanding Of Astronomy, Gravity	Galileo	1600	34
■ Motion, Gravitation, Calculus	Newton	1665	23
■ Burning Is Uniting With Oxygen	Lavoisier	1774	31
■ Earth Evolved Gradually	Lyell	1830	33
■ Bacteria Cause Disease	Pasteur	1852	30
■ Natural Selection For Evolution	Darwin	1858	49
■ Field Equations For Light	Maxwell	1864	33
■ Transmutation Of Elements	Curie	1896	34
■ Relativity, Quanta, $E = mc^2$	Einstein	1905	26
■ Quantum Theory	Schroedinger	1926	39
■ Chemistry Of Life (DNA)	Watson +	1953	24

## GIANT DISCOVERIES OF THE FUTURE

	Probability by Year 2002
● Extraterrestrial Intelligent Life	0.9 to 0.99
● How to Begin Life	0.9 to 0.98
● The Origin of Man	0.9 to 0.95
● The Processes of the Brain and Mind	0.7 to 0.9
● The Confirmation and Basis of ESP	0.7 to 0.8
● Control of Radioactive Decay	0.6 to 0.9
● Unified Physical Theory	0.5 to 0.8
● Wide Range Psychic Discoveries	0.5 to 0.8
● Cosmic and Planetary Evolution	0.4 to 0.7
● The Nature and Control of Aging	0.3 to 0.4
● Teleportation Principles	0.01 to 0.1
● Time Travel Principles	0.001 to 0.1

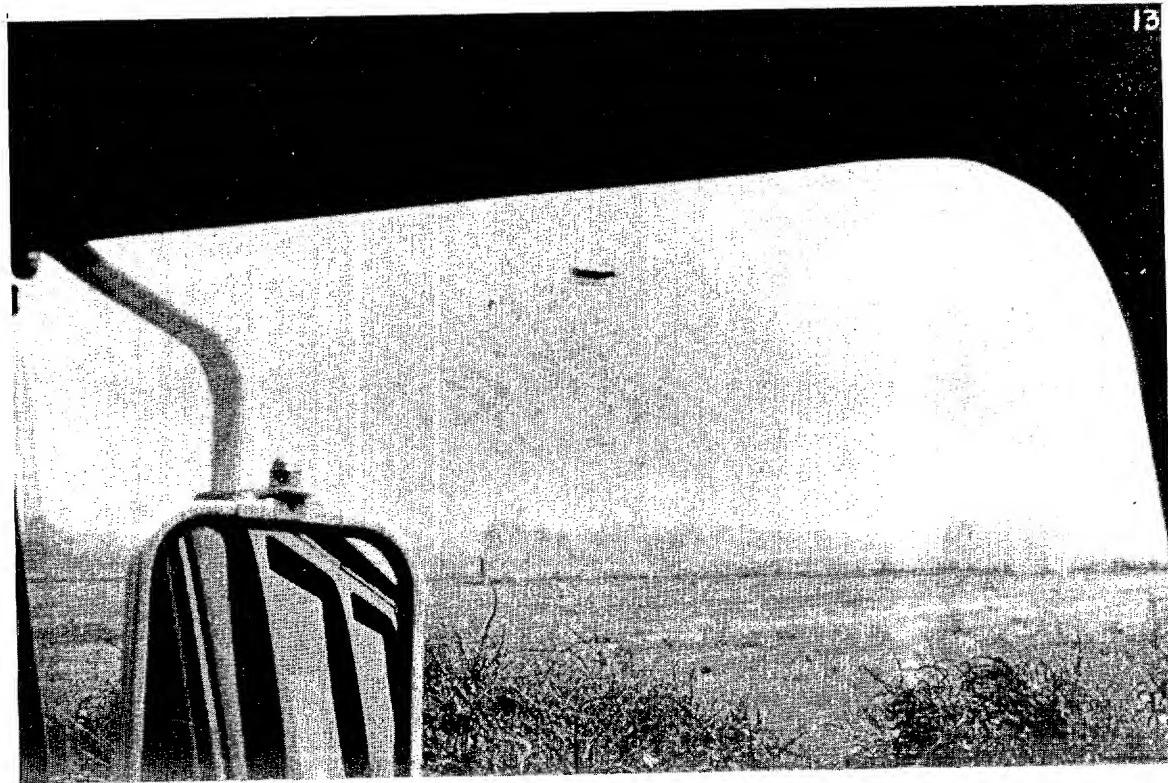


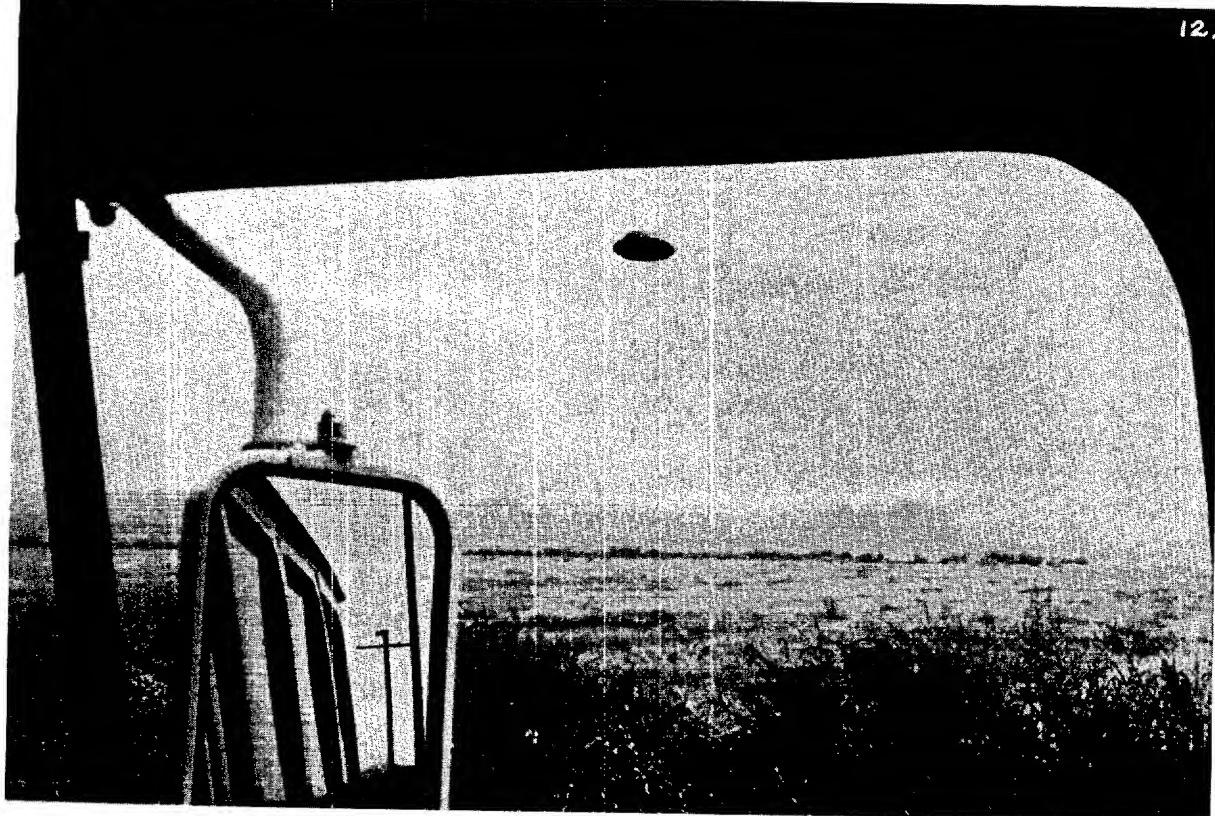
NICAP-1

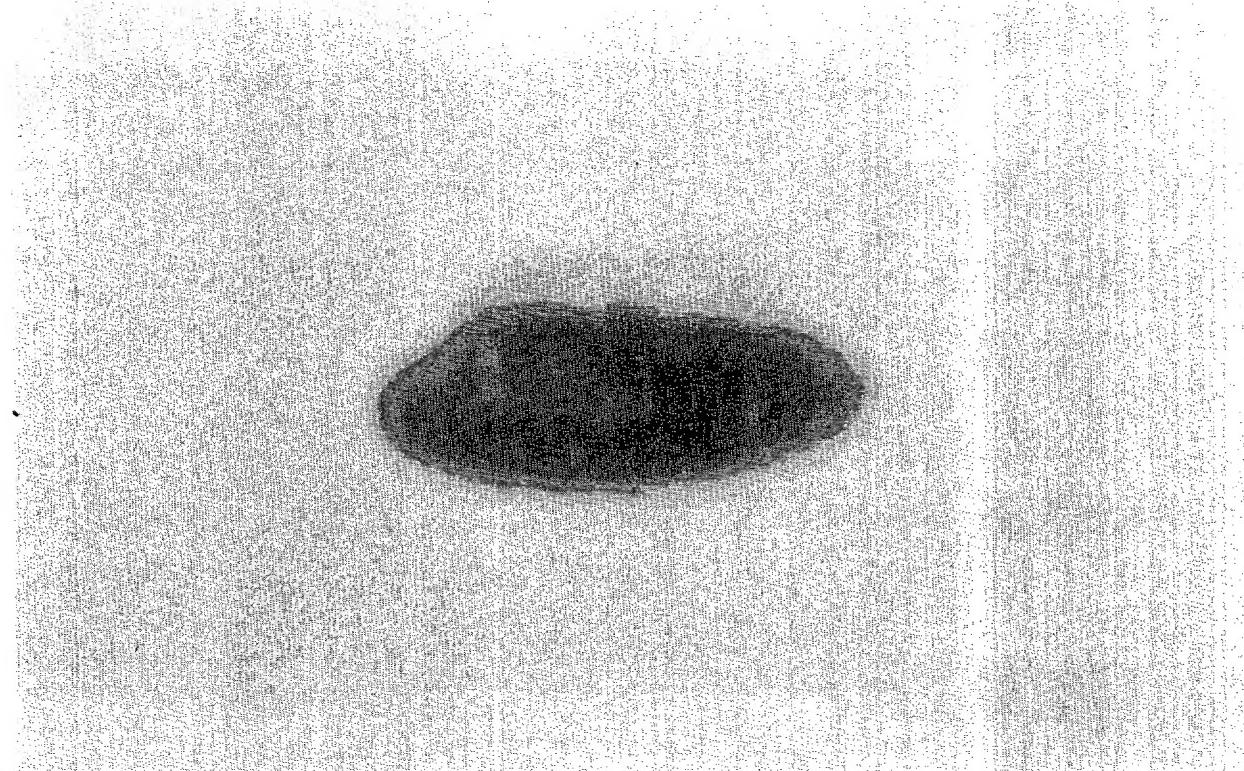
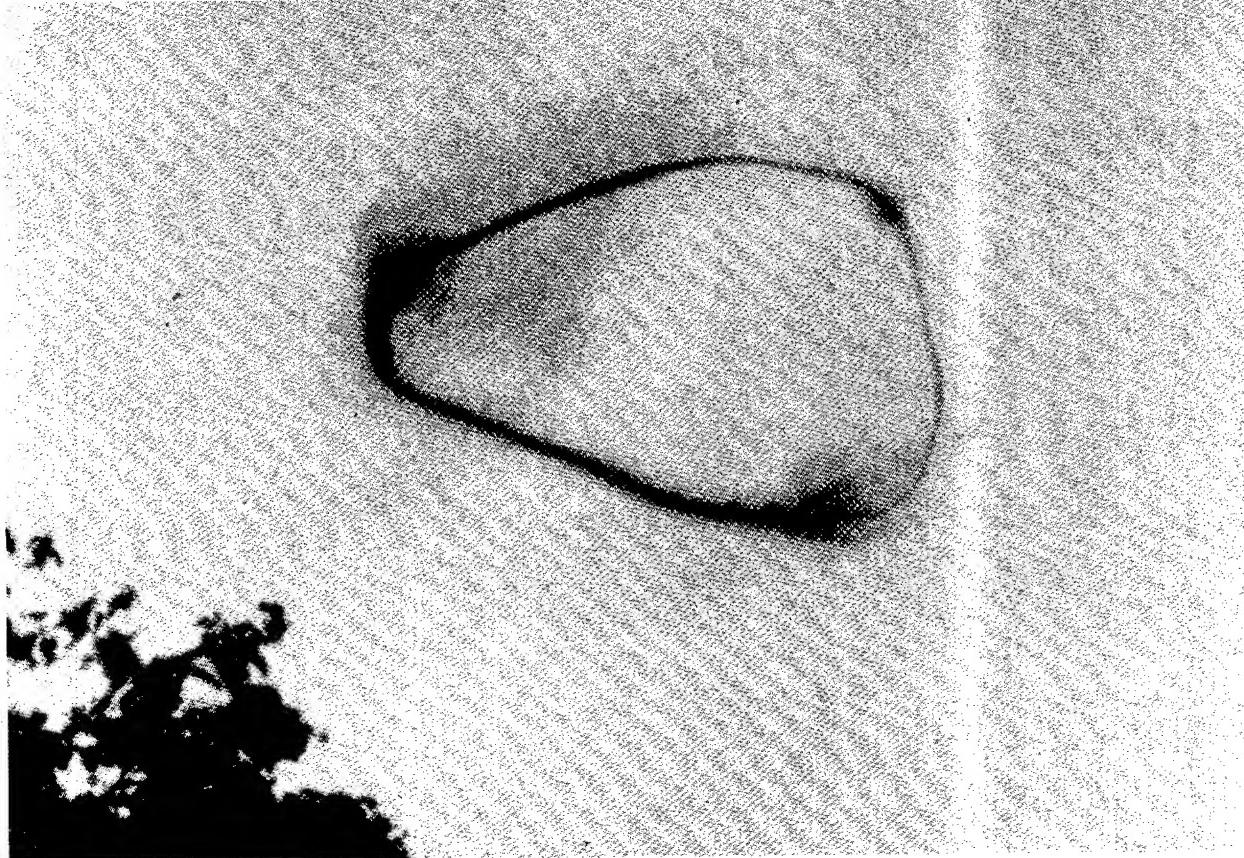


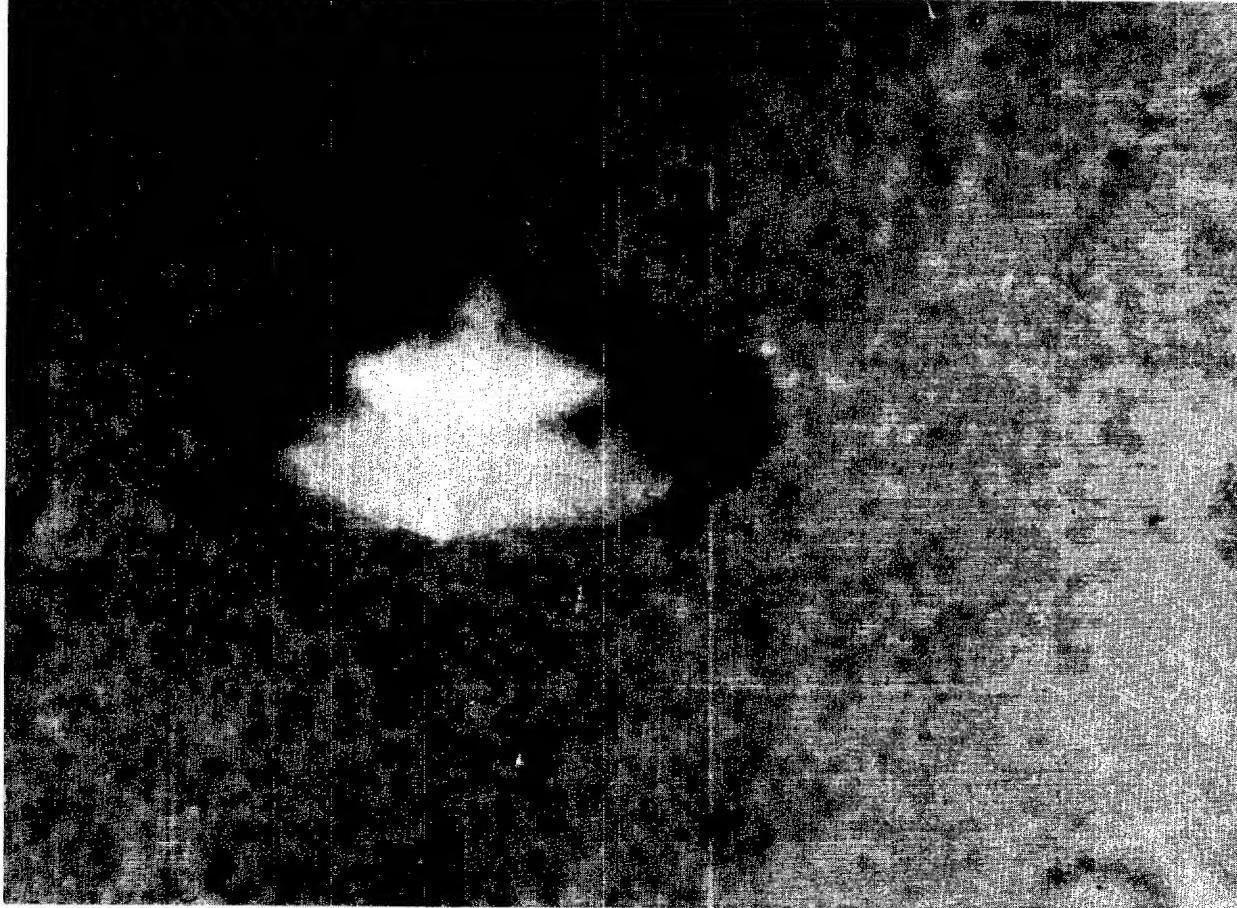
NICAP-3





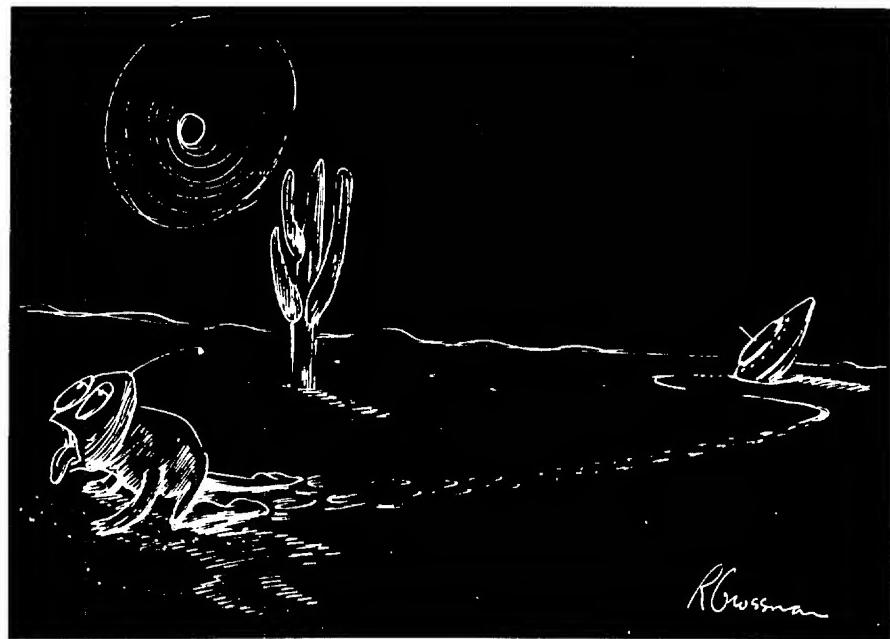






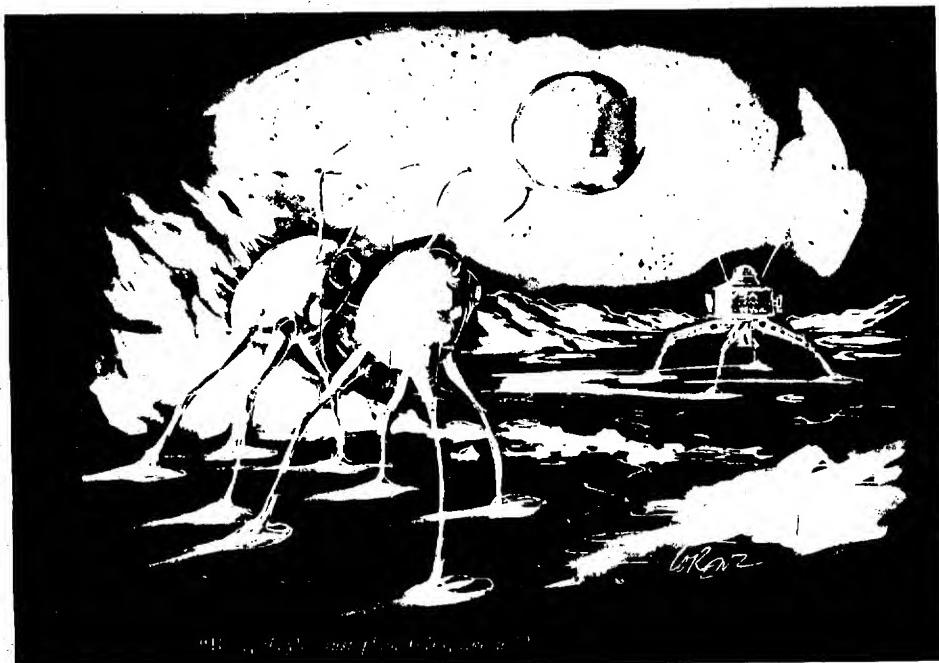
M-43132

"AMMONIA! AMMONIA!"



M-43101

"WHY, THEY'RE PLAIN FOLKS, LIKE US!"

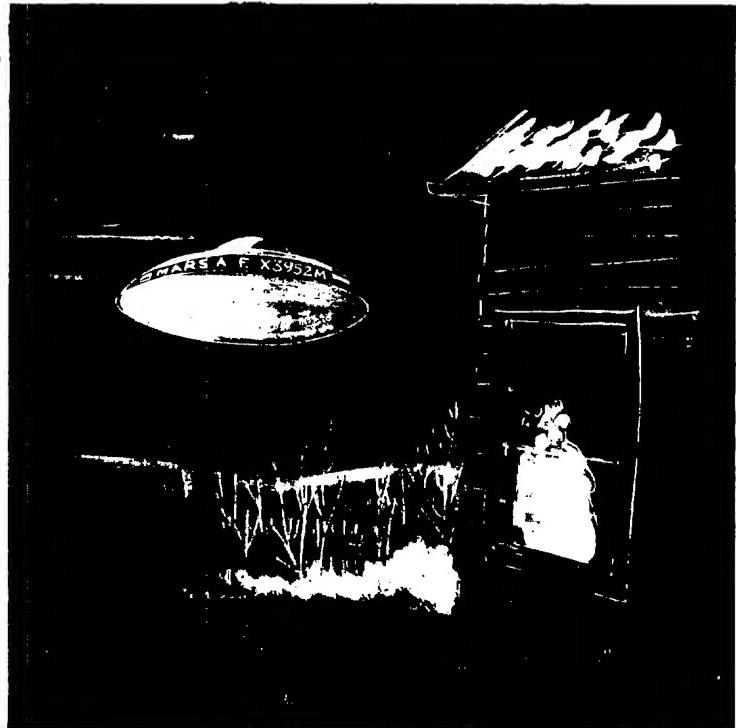


M-43078

"BUT YOU DON'T UNDERSTAND! I HAVEN'T EVEN SEEN EUROPE YET!"



M-43080



"IT'S A FLYING OBJECT,  
BUT IT'S NOT EXACTLY  
AN UNIDENTIFIED  
FLYING OBJECT."

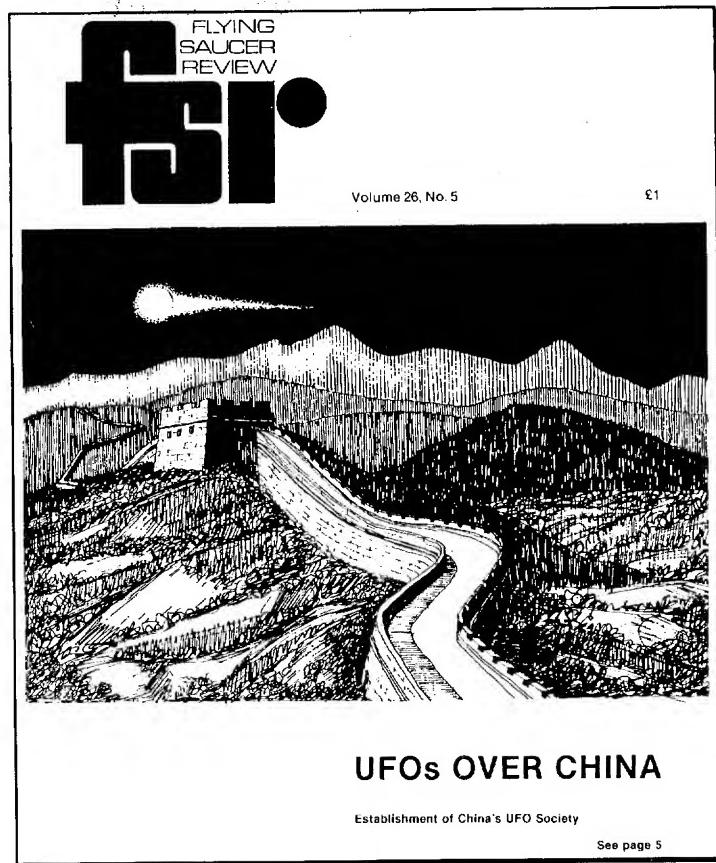
M-43081



"I assure you, Madam, if any such creatures as you describe  
really existed, we would be the first to know about it."

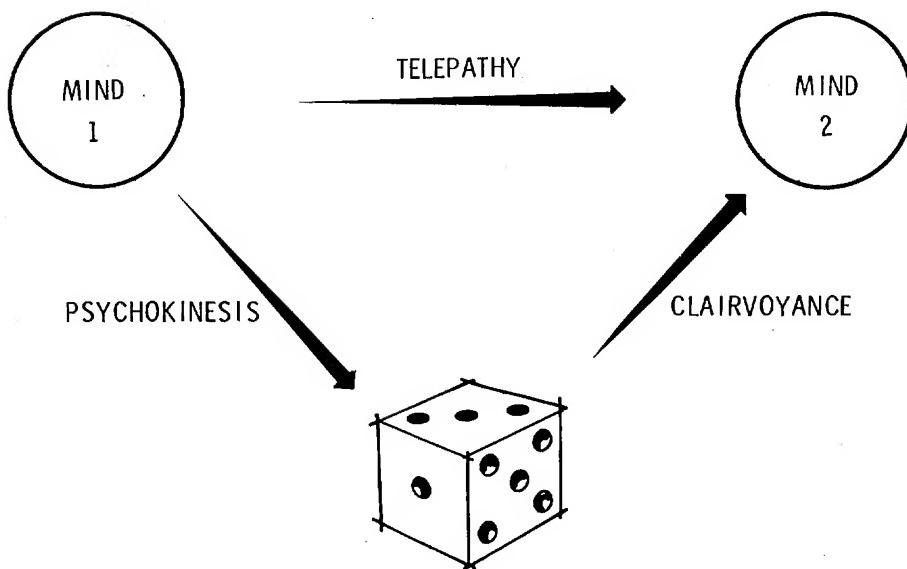
THE BEST  
OF THE  
JOURNALS

VFK270



42491

CONVENTIONAL ESP CATEGORIES  
(PLUS PRECOGNITIVE EFFECTS)

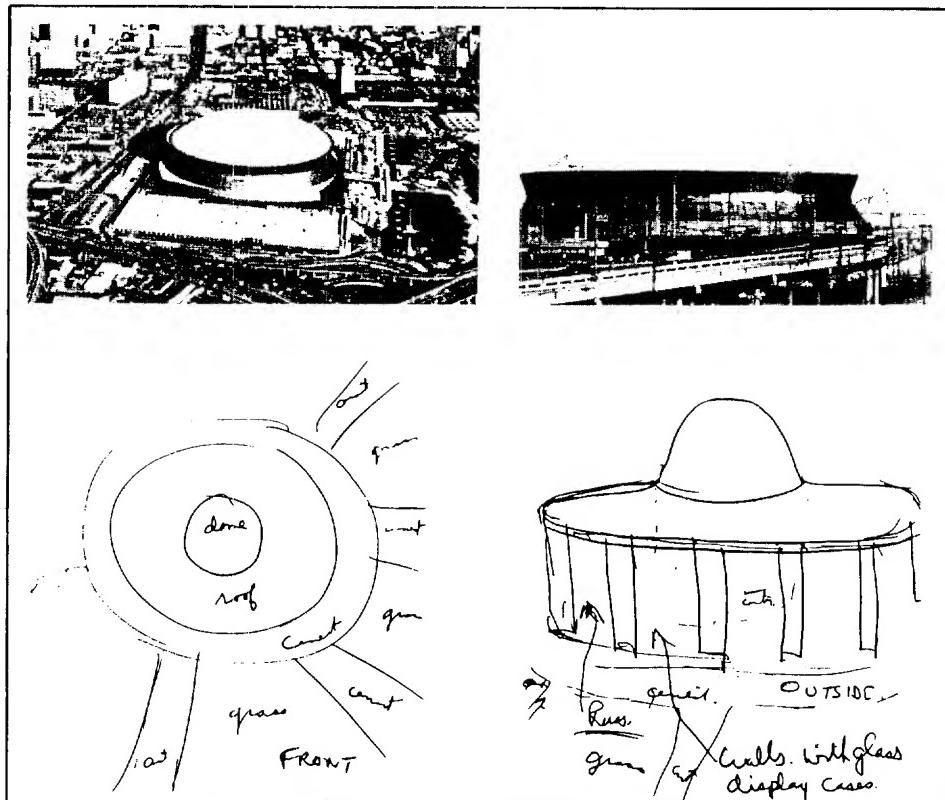


# **PSYCHIC CATEGORIES REPORTED**

Time-Independent?	Time-Dependent?
• Psychic Photography	• Remote Viewing
• Dowsing	• Ordinary Ghosts and Spirits
• Aura Photography	• Reincarnation
• Levitation	• Prophecy
• Out-of-Body Experience	• Witchcraft
• Mind-Plant Communication	• Miracles
• Psychic Healing	
• Poltergeists	

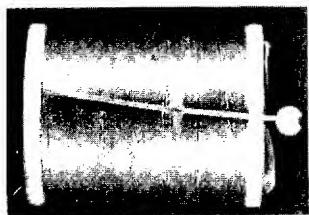
# **LONG DISTANCE REMOTE VIEWING EXPERIMENT**

VFK271

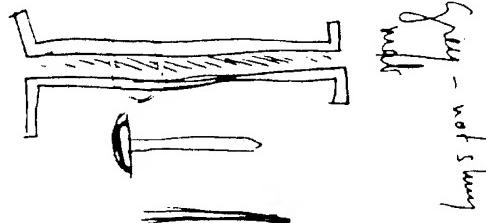


VFK274

## TARGET-TRANSCRIPT COMPARISON



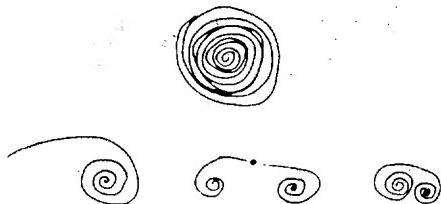
SPOOL AND PIN



"IT'S DEFINITELY SOMETHING THIN AND LONG . . . WITH A NAIL HEAD AT THE END . . . SILVERED COLORED."



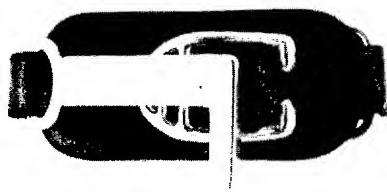
CURLED UP LEAF



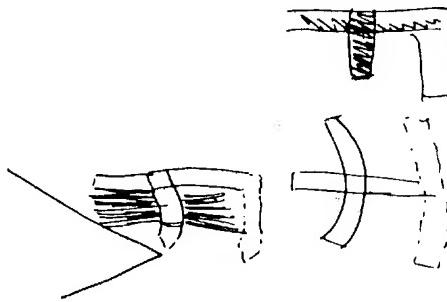
"A NAUTILUS SHAPE WITH A TAIL."

VFK275

## TARGET-TRANSCRIPT COMPARISON (CONT)



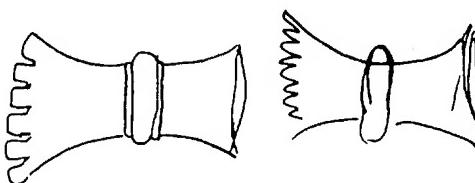
LEATHER BELT KEYRING



"THE STRONGEST IMAGE I GET IS LIKE A BELT."



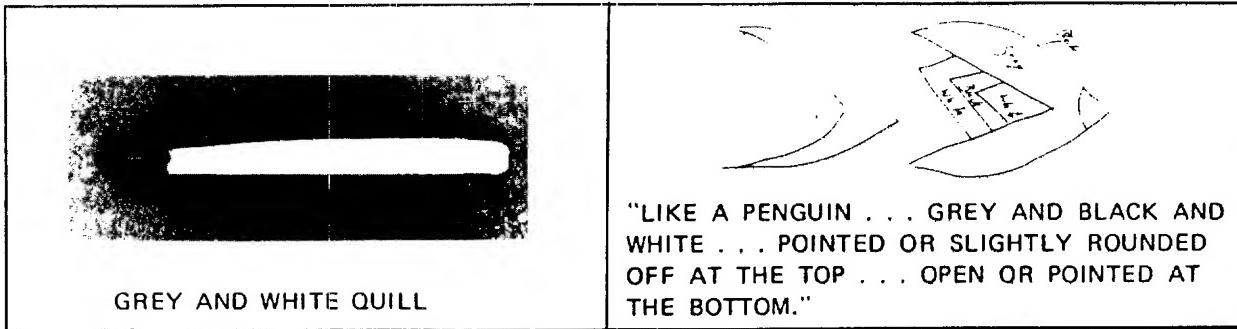
CAN OF SAND



"LIKE A MINIATURE TOWER . . . SCALLOPED BOTTOM . . . LIGHT BEIGE."

VFK276

## TARGET-TRANSCRIPT COMPARISON (CONT)



VFK272

## FILM CAN SERIES

Distribution of Judge's Rankings

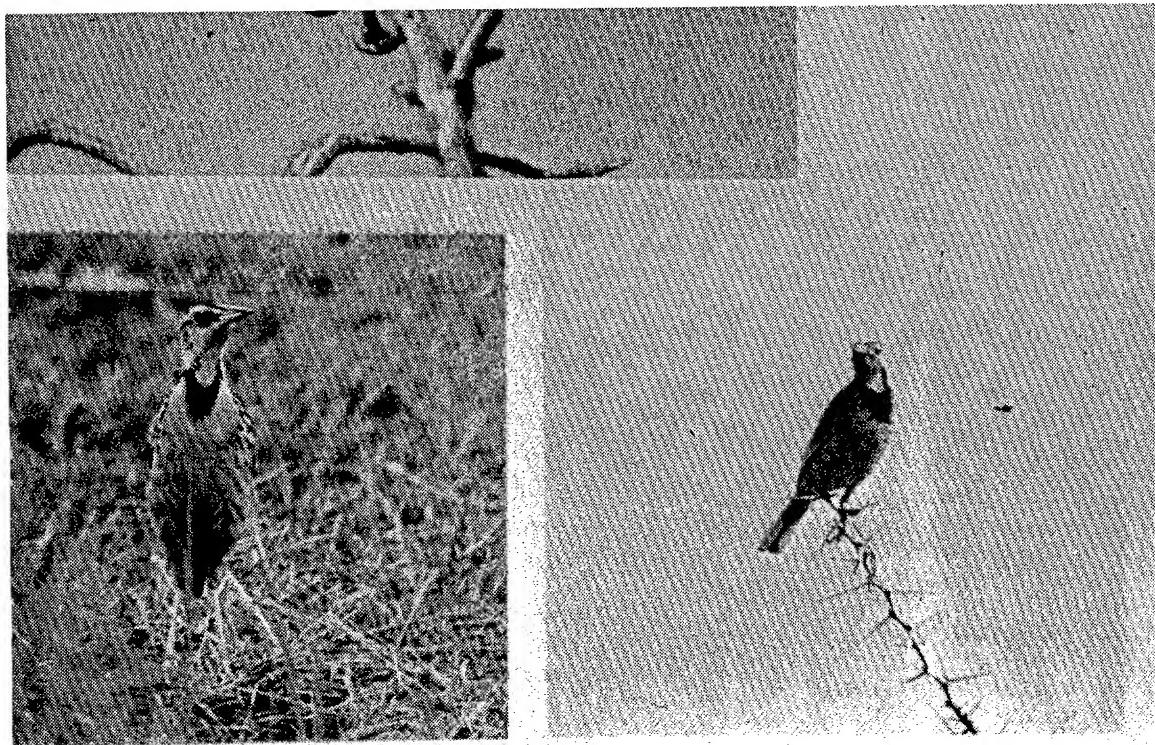
Target	Transcript Letter				
	A	B	C	D	E
Belt Keyring	(1)	5	3	4	2
Quill	5	(1)	2	4	3
Leaf	4	3	(1)	5	2
Spoon and Pin	5	4	3	(1)	2
Can of Sand	4	3	1	5	(2)

p = 0.017

(a) First Five-Trial Subgroup

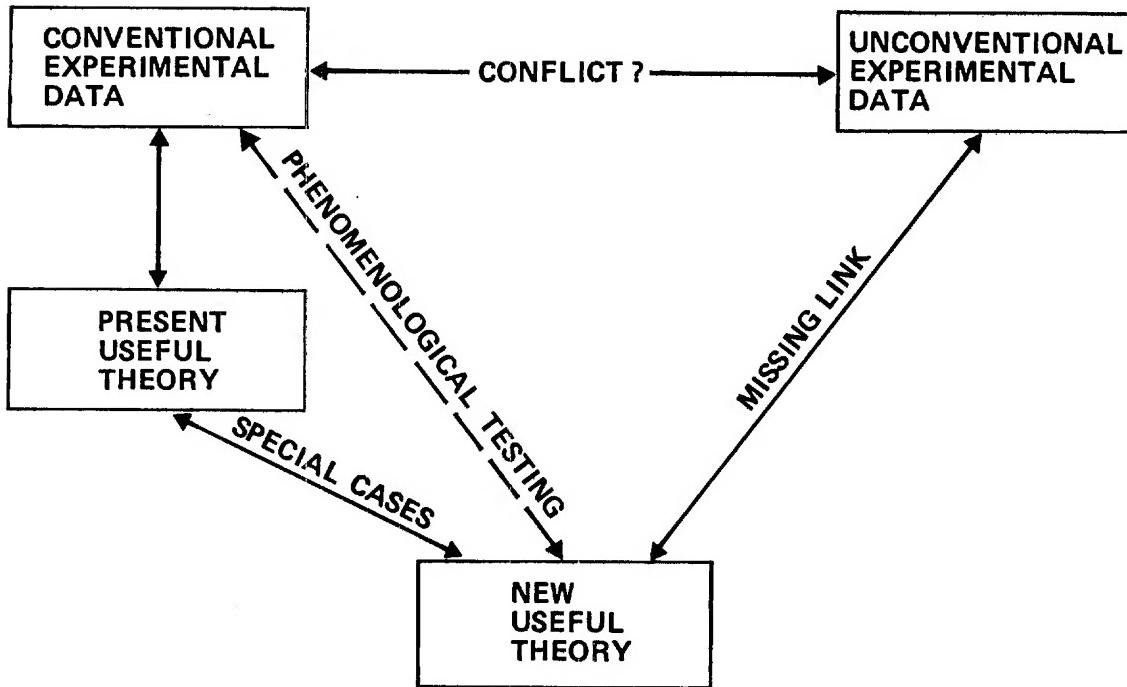
## PRESENT PARADIGM DEBATES

OLD	NEW?
■ Nothing Can Ever Exceed The Speed of Light	■ The Speed of Light Is Not An Important Vehicle Limit
■ Biological Aging Will Not Change Its Rate	■ Aging Can Be Slowed Enormously
■ Nothing Is Certain But Death (,War) And Taxes	■ Benign Weapons Abound In The Universe
■ Psychics Are Frauds. Those Who Study PSI Are Just Misguided	■ Psychic Processes Are Reliably Amplifiable With Equipment, Chemicals, Or Both
■ Man Evolved From Apes	■ Convergent Evolution Yields Hominoids On Many Planets



3D1-64155

## DATA — THEORY RELATIONSHIPS



QUOTATIONS

"When a scientist states that something is possible, he is almost certainly right; when he states that something is impossible, he is very probably wrong."

...Arthur C. Clarke

"This talk of going to the moon is all rot, and space travel is utter bilge."

...British Astronomer Royal, 1958

"But to place a man in a multistage rocket and project him into the controlling gravitational field of the moon, where the passenger can make scientific observations, perhaps land alive, and then return to earth ... all that constitutes a wild dream worthy of Jules Verne. I am bold enough to say that such a man-made moon voyage will never occur, regardless of all future scientific advances."

...Dr. Lee deForest, 1958

"Science is not always what scientists do."

...Dr. J. Allen Hynek

"They laughed at Fulton; they're laughing at me. Therefore, my idea is as good as Fulton's."

...Adapted by Dr. Bob Wood

"Eminence does not necessarily correlate with significance."

... Dr. Otto Schmidt

"A genius is a nut whose ideas were proven correct."

...A University of Colorado History Professor

"While prudence is the mother of security, it is on the audacious that fortune smiles."

...Lee de Broglie

"I been readin' bout how maybe they is planets peopled by folks with ad-vanced brains.....on the other hand, maybe we got the most brains.....maybe our intellects is the universe's most ad-vanced.....either way, it's a mighty soberin' thought."

...Walk Kelly (Pogo Comic Strip)

"The story of unidentified flying objects is the story of credible people seeing incredible things."

...Dr. James E. MacDonald

"Creativity is to see what everyone else has seen and think what no one else has thought."

...Charlotte Wood

"I have never met an informed skeptic."

...Dr. James E. MacDonald

"The more eminent you are the less you feel you have to read the literature in order to say something about it."

...Dr. Bob Wood

"Just because you are paranoid, doesn't mean they're not out to get you."

...Targ & Puthoff

"The essence of science is doubt."

...Richard P. Feynman

"More harm is done to the progress of science by skepticism than by gullibility."

...Dr. Bob Wood

"Anything which is not prohibited is mandatory."

...Murray Gell-Mann

"Any sufficient advanced technology is indistinguishable from magic."

...Arthur C. Clarke

## THE GIANT DISCOVERIES OF FUTURE SCIENCE

References

1. Arthur C. Clarke, Profiles of the Future, Harper & Row, New York, N.Y. 1962.
2. St. Louis Post-Dispatch, deForest Predicts Man Will Never Be Able to Reach Moon, Monday, February 25, 1957.
3. Thomas S. Kuhn, The Structure of Scientific Revolutions, University of Chicago Press, 1961.
4. J. Allen Hynek, The UFO Experience, Henry Regnery Co., Chicago, IL., 1972.
5. World Book Encyclopedia, Field Enterprises Educational Corp., Chicago, IL., 1966.
6. James D. Watson, The Double Helix, Atheneum, New York, New York, 1972.
7. Charles H. Townes, Quantum Electronics and Surprise in the Development of Technology, Science 159, 1968, P. 699.
8. I. S. Shklovskii and Carl Sagan, Intelligent Life in the Universe, Holden-Day, 1966.
9. L. Frank Baum, The Royal Book of Oz, Reilly & Lee, 1921.
10. David M. Jacobs, The UFO Controversy in America, Indiana University Press, Bloomington, Indiana, 1975.
11. E. U. Condon, Scientific Study of Unidentified Flying Objects, Bantam Books, New York, New York, 1969.
12. Flying Saucer Review, FSR Publications Ltd, West Malling, Maidstone, Kent, England, March 1982.
13. The APRO Bulletin, Vol. 30, No. 3, April 1982.
14. International UFO Reporter, May/June 1982.
15. Ostrander and Schroeder, Psychic Discoveries Behind the Iron Curtain, Prentice-Hall, Englewood Cliffs, New Jersey, 1970.
16. Peter Tompkins and Christopher Bird, The Secret Life of Plants, Harper & Row, New York, New York, 1973.
17. Russell Targ and H. E. Puthoff, Mind-Reach: Scientists Look at Psychic Ability, Delacorte Press, 1977.
18. Robert G. Jahn, The Persistent Paradox of Psychic Phenomena: An Engineering Perspective, Proceedings of the IEEE 70, No. 2, Feb. 1982.
19. John Baxter and Thomas Atkins, The Fire Came By--The Riddle of the Great Siberian Explosion, Doubleday & Co., 1973.

9 June 1982  
R. M. Wood